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NOTICE OF ALLOWANCE AND FEE(S) DUE

21876 7590 05/12/2008

FISH & RICHARDSON P.C. P.O. Box 1022

MINNEAPOLIS, MN 55440-1022

EXAMINER ALAVL AMIR

ART UNIT PAPER NUMBER

2624 DATE MAILED: 05/12/2008

 APPELICATION NO.
 FILING DATE
 FIRST NAMED RYVENTOR
 ATTORNEY DOCKET NO.
 CONTRIBUTATION NO.

 10748 013
 12/30/2003
 Todar G. Georgiev
 07844-624/001/P577
 6459

 TILL GO FINVENTION: HEALING BY TEXTURE SYNTHESIS IN DISTRIBUTIAL SPACE
 APACE
 459

 APPLN. TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEE(S) DUE
 DATE DUE

 nonprovisional
 NO
 \$1440
 \$0
 \$0
 \$1440
 08/12/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed oth	of transmitting the 1330 ig the Patent, advance or ierwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees will pondence address; a	be mailed to the current nd/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for
	ENCE ADDRESS (Note: Use Bi	ock 1 for any change of address)	Note Fee(pape	e: A certificate of ma s) Transmittal. This or ers. Each additional p	ailing can only be used for certificate cannot be used a saper, such as an assignment f mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
21876	7590 05/12	/2008	in the		icate of Mailing or Trans	smission
FISH & RICHARDSON P.C. P.O. Box 1022 MINNEAPOLIS, MN 55440-1022			I her State addr trans	subscentify that this	Eagle) Teansmittal is bain	g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	Α	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,013	12/30/2003		Todor G. Georgiev		07844-624001/P577 6459	
TITLE OF INVENTION	: HEALING BY TEXT	JRE SYNTHESIS IN DII	FFERENTIAL SPACE			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE I	TEE TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0 \$1440 08		08/12/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS			
ALAVI	, AMIR	2624	382-254000			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTOVSB/122) attached. "Fee Address" indication or "Fee Address" indication form PTOVSB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is stord, no name will be printed.			
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee eletion of this form is NO	(B) RESIDENCE: (CITY	atent. If an assignee assignment. and STATE OR CO	UNTRY)	occument has been filed for
4a. The following fee(s) Issue Fee	are submitted:	41	o. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car	se first reapply any	previously paid issue fee	
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY statu		b. Applicant is no long	ger claiming SMALL	ENTITY status. Sec 37 C	FR 1.27(g)(2).
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than to Office.	he applicant; a registe	ered attorney or agent; or t	he assignee or other party in
Authorized Signature				Date		
Typed or printed name				Registration No.		
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 min idual case. Any com r, U.S. Patent and Tr D THIS ADDRESS. 5	public which is to file (an nutes to complete, includi ments on the amount of ti ademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete sartment of Commerce, P.O. for Patents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

: COMMISSIONER FOR PATENTS P O Box 1450 Alexandria, Virgima 22313-1450 www.uspto.gov

APPLICATION NO		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,013		12/30/2003	Todor G. Georgiev	07844-624001/P577	6459
21876	7590	05/12/2008		EXAM	IINER
FISH & RICHARDSON P.C.			ALAVI, AMIR		
P.O. Box 1022				ART UNIT	PAPER NUMBER
MINNEAPOLIS, MN 55440-1022			2624		

DATE MAILED: 05/12/2008

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 942 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 942 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)		
10/748,013	GEORGIEV, TODOR G.		
Examiner	Art Unit		
Amir Alavi	2624		

7 411117	2021				
- The MAILING DATE of this communication appears on All claims being allowable, PROSECUTION ON THE MERITS IS (OR REherewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOTA GRANT OF PATENT RIGHTS, of the Office or upon petition by the applicant. See 37 CFR 1.313 and MI	MAINS) CLOSED in this application. If not included r appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiat				
1. This communication is responsive to <u>The amendment received on</u>	<u>04/10/2008</u> .				
2. The allowed claim(s) is/are <u>1-64</u> .					
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been r 2. ☐ Certified copies of the priority documents have been r 3. ☐ Copies of the certified copies of the priority documents laternational Bureau (PCT Rule 17.2(a)). * Certified copies not received:	eceived. eceived in Application No s have been received in this national stage application from the				
noted below. Failure to timely comply will result in ABANDONMENT of THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
 A SUBSTITUTE OATH OR DECLARATION must be submitted. No INFORMAL PATENT APPLICATION (PTO-152) which gives reason 					
CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (dentifying indicia such as the application number (see 37 CFR 1.34(c)) should be written on the drawings in the front (not the back) of each sheer. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Notice of Informal Patent Application Interview Summary (PTO-413),				
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mail Date				

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Art Unit: 2624

EXAMINER'S AMENDMENT

- An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- > The application has been amended as follows:
- Claim 25, line 1, please replace, "a machine-readable", to read, "a computer-readable".
- Claim 26, line 1, please replace, "the machine-readable", to read, "the computer-readable".
- Claim 27, line 1, please replace, "the machine-readable", to read, "the computer-readable".
- Claim 49, line 1, please replace, "a machine-readable", to read, "a computer-readable".

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The present invention is directed towards a method and apparatus for modifying an image may be applied to heal texture areas within the image. The closest prior art, Peters (USPN 5,715,334), shows a similar system, in which, an image information enhancement technique for processing digital images is presented, wherein enhancement of image detail contrast is accomplished by adding a differential hysteresis pattern to a digital image, the differential hysteresis image processing utilizes the persistence of intensity variations as means for data reduction and image detail contrast enhancement. However, Regarding claims 1,25 and 39, Peters fails to address: "for generating new differential pixel values for the modification region using the differential representation of the image texture region to obtain substantial consistency with the differential representation of the boundary pixels and integrating the new differential pixel values to obtain a modified image"; Regarding claims 18 and 33, Peters fails to

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address "for performing texture synthesis in differential space using the boundary region to produce a synthesized differential representation for the modification region and integrating the synthesized differential representation to generate a modified image"; Regarding claims 48 and 57, Peters fails to address: "for applying the rate of change to the modification region and determining new pixel values for the modification region that exhibit the rate of change and that exhibit consistency with boundary pixel values adjacent to the modification region in the original image". These distinct features have been added separately to different independent claims and renders them allowable.

- Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amir Alavi whose telephone number is 571-272-7386. The examiner can normally be reached on Mon-Thu.. 8:00 am thru 6:30pm.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on 571-272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.